

## VIDEO STABILIZER

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### ABSTRACT

A video stabilization system processes a video segment to remove  
5 unwanted motion, resulting in a stabilized video segment. The video stabilization  
system tracks one or more features through multiple frames, identifies ideal  
positions for the features, and then generates information (e.g., rotation, scaling,  
shearing, and/or translation) to transform all pixels in each frame to ideal positions  
based on the ideal positions of the features.